

Tactical Quiet Generators (TQG)



MISSION

Provide a modernized standard family of mobile electric power generators for all services throughout the Department of Defense (DoD). Accomplish this mission through a coordinated inter-service effort to develop, acquire, and support mobile electric power generators from small, 0.5 kW manportable generators to large, 920 kW and greater prime power generating systems.

DESCRIPTION AND SPECIFICATIONS

Tactical Quiet Generators (TQGs) are the new DoD standard family of tactical electric power sources. TQGs are state-of-the-art generator sets that fully meet the following requirements:

- Increased mobility (less wgt/cube) and reliability (500–600 hrs MTBF)
- Reduce noise (to 70dBA at 7m) and infrared (IR) signature
- Increased survivability in a nuclear environment
- Provide quality electric power for command posts, command, control, communications, computers, and intelligence (C4I) systems, weapon systems, logistics and maintenance functions, medical facilities, and other battlefield support equipment

The military standard generator fleet is overaged and requires ever-increasing maintenance and logistics support which adds to total ownership costs. The new TQGs are modernized with the latest proven commercial technologies, and more efficient than previous models, contributing to reduced total ownership costs and increased battlefield mobility and survivability.

FOREIGN COUNTERPART

No known foreign counterpart; however, the 2 kW Military Tactical Generator (MTG) was originally manufactured in Canada and bought by the Canadian Ministry of Defense. It has been adapted by the U.S. DoD.

FOREIGN MILITARY SALES

TQGs have been obtained by Bahrain, Brunei, Canada, Columbia, Egypt, Ethiopia, Greece, Honduras, Israel, Korea, Kuwait, Macedonia, New Zealand, Philippines, Portugal, Saudi Arabia, Spain, Taiwan, Thailand, Tunisia, Turkey, and United Arab Emirates.

PROGRAM STATUS

2kW MTG: Production deliveries, Force Package (FP) 1 fielding, started FP2 fielding.

3kW TQG: Completed testing; started production deliveries.

5-60kW TQGs: FP1 fielding nearing completion (over 10,000 sets); continue FP2 and Data Interchange (DI) fielding.

30/60kW TQG Re-Engine: Completed first article test; started production.

DPGDS: Operational test and evaluation (OT&E).

AMMPS (Advanced Medium-sized Mobile Power Sources): (TQG follow-on program) Commenced initial research and development (R&D) efforts.

PROJECTED ACTIVITIES

2kW MTG: Continue FP1, FP2, and DI fielding.

3kW TQG: Production deliveries; begin FP1 fielding.

5-60kW TQGs: Continue FP2 and data interchange fielding.

30/60kW TQG Re-Engine: Continue FP2 fielding.

100kW and 200kW TQGs: Make phase I engineering and manufacturing development multiple contractor prototypes award.

DPGDS: Continue OT&E.

AMMPS: Continue R&D efforts.

PRIME CONTRACTORS

5-60kW TQGs and 3kW TQG: Fermont (Bridgeport, CT)

2kW MTG: Dewey Electronics (Oakton, NJ)

30/60kW TQG Re-Engine: MCII (Dallas, TX)

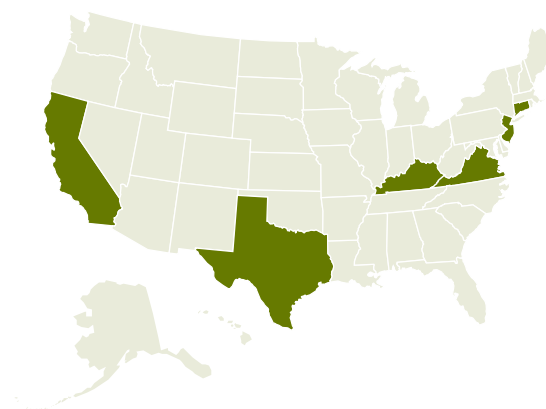
5kW 28VDC APU: Goodman Ball (Menlo Park, CA)

10kW APU: Keco Industries (Florence, KY)

100kW and 200kW TQG: To be determined

DPGDS: Radian (Alexandria, VA)

AMMPS: To be determined



* See appendix for list of subcontractors

